

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A traffic monitoring system which monitors network traffic in a network in which transmission priority of a packet to be transmitted in the network is changed according to an attribute of the packet, comprising:

a monitor unit which monitors ~~the packet~~ transmitted packets; and

an accumulate unit which accumulates, separately for each attribute, ~~traffic information corresponding to a quantity of the monitored packets and a combined total length of the monitored packet~~ packets.

2. (currently amended) The traffic monitoring system of claim 1, wherein the ~~packet is an~~ packets are IP packet ~~packets~~ in an IP network, and the attribute ~~of the packet~~ includes at least one of a service class ~~of the IP packet~~ and sub network address of the IP network.

3-9. (canceled)

10. (currently amended) A traffic monitoring method which monitors network traffic in a network in which transmission priority of a packet to be transmitted in the network is changed according to an attribute of the packet, comprising the steps of:

monitoring ~~the packet~~ transmitted packets; and  
accumulating, separately for each attribute, ~~traffie~~  
~~information corresponding to a quantity of the monitored packets~~  
and a combined total length of the monitored ~~packet~~ packets.

11. (currently amended) The traffic monitoring method  
of claim 10, wherein the ~~packet is an~~ packets are IP ~~packet~~  
packets in an IP network, and the attribute ~~of the packet~~  
includes a service class ~~of the IP packet~~ and sub network address  
of the IP network.

12-18. (canceled)

19. (currently amended) A recording medium readable by  
a computer, tangibly embodying a program of instructions  
executable by the computer to perform a traffic monitoring method  
which monitors network traffic in a network in which transmission  
priority of a packet to be transmitted in the network is changed  
according to an attribute of the packet, comprising the steps of:

monitoring ~~the packet~~ transmitted packets; and  
accumulating, separately for each attribute, ~~traffie~~  
~~information corresponding to a quantity of the monitored packets~~  
and a combined total length of the monitored ~~packet~~ packets.

20. (canceled)